

=> file reg  
FILE 'REGISTRY' ENTERED AT 15:05:53 ON 23 FEB 2005  
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=> display history full 11-

FILE 'REGISTRY' ENTERED AT 12:49:37 ON 23 FEB 2005

E 2-BUTANOL/CN

L1 1 SEA 2-BUTANOL/CN

E 2-METHOXY-1-ETHANOL/CN

L2 1 SEA 2-METHOXY-1-ETHANOL/CN

E 1-PENTANOL/CN

L3 1 SEA 1-PENTANOL/CN

E 1-HEXANOL/CN

L4 1 SEA 1-HEXANOL/CN

ACT FALCS/A

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L5 STR

L6 STR

L7 STR

L8 STR

L9 SCR 1312 OR 1700

L10 SCR 1943

L11 SCR 1838 OR 1992 OR 2016 OR 2021 OR 2026 OR 1929 OR 2043

L12 SCR 2010

L13 SCR 963

L14 ( 33474) SEA SSS FUL (L5 OR L6 OR L7 OR L8) AND L9 AND L10 AND  
L13 NOT (L11 OR L12)

L15 15710 SEA SUB=L14 SSS FUL L8

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L16 3032 SEA L15 AND 6-8/C

L17 3032 SEA L16 NOT PMS/CI

L18 901 SEA L17 AND 2<ELR.HC

E ETHYLENE DIOXYTHIOPHENE/CN

E ETHYLEDIOXYTHIOPHENE/CN

FILE 'LREGISTRY' ENTERED AT 13:39:14 ON 23 FEB 2005

L19 STR

L20 0 SEA SSS SAM L19

L21 0 SEA SSS FUL L19

FILE 'REGISTRY' ENTERED AT 13:52:12 ON 23 FEB 2005

L22 50 SEA SSS SAM L19

L23                   D L22 50 FIDE  
974 SEA 333.351.2/RID  
E IRON TOSYLATE/CN  
E IRON P-TOLUENESULFONATE/CN  
E P-TOLUENESULFONIC ACID, IRON SALT/CN  
E P-TOLUENESULFONIC ACID/CN  
L24                   1 SEA "P-TOLUENESULFONIC ACID"/CN  
D RN  
L25                   11381 SEA 104-15-4/CRN  
L26                   16 SEA L25 AND FE/ELS  
E IMIDAZOLE/CN  
L27                   1 SEA IMIDAZOLE/CN  
E PYRIDINE/CN  
L28                   1 SEA PYRIDINE/CN  
E TRIETHYL AMINE/CN  
E TRIETHYLAMINE/CN  
L29                   1 SEA TRIETHYLAMINE/CN

FILE 'HCA' ENTERED AT 14:11:22 ON 23 FEB 2005  
E COATINGS/CV  
L30                  43471 SEA "COATING(S)"/CV OR COATINGS/CV  
E COATING MATERIALS/CV  
L31                  256577 SEA "COATING MATERIALS"/CV  
E COATING PROCESS/CV  
L32                  116708 SEA "COATING PROCESS"/CV  
L33                  12504 SEA SPINCOAT? OR SPUNCOAT? OR (SPIN? OR SPUN?) (2A) COAT?

FILE 'REGISTRY' ENTERED AT 14:14:10 ON 23 FEB 2005  
SET SMARTSELECT ON  
L34                  SEL L1 1- CHEM :        20 TERMS  
SET SMARTSELECT OFF

FILE 'HCA' ENTERED AT 14:14:10 ON 23 FEB 2005  
L35                  14597 SEA L34

FILE 'REGISTRY' ENTERED AT 14:14:48 ON 23 FEB 2005  
SET SMARTSELECT ON  
L36                  SEL L2 1- CHEM :        26 TERMS  
SET SMARTSELECT OFF

FILE 'HCA' ENTERED AT 14:14:49 ON 23 FEB 2005  
L37                  16342 SEA L36

FILE 'REGISTRY' ENTERED AT 14:15:13 ON 23 FEB 2005  
SET SMARTSELECT ON  
L38                  SEL L3 1- CHEM :        14 TERMS  
SET SMARTSELECT OFF

L39 FILE 'HCA' ENTERED AT 14:15:13 ON 23 FEB 2005  
24901 SEA L38

L40 FILE 'REGISTRY' ENTERED AT 14:15:23 ON 23 FEB 2005  
SET SMARTSELECT ON  
SEL L4 1- CHEM : 15 TERMS  
SET SMARTSELECT OFF

L41 FILE 'HCA' ENTERED AT 14:15:24 ON 23 FEB 2005  
24603 SEA L40

L42 40074 SEA L18

L43 3778 SEA HIGH?(3A) (BOIL? OR BP OR B(W)P) (3A) SOLVENT?

L44 665 SEA HIGH?(3A) (BOIL? OR BP OR B(W)P) (3A) (ALC# OR ALCOHOL##)  
)

L45 2670 SEA L23 OR ETHYLENE# (2A) DIOXYTHIOPHENE# OR ?ETHYLENEDIOXY  
THIOPHEN?

L46 240 SEA L26 OR (IRON# OR FERRIC# OR FERROUS# OR FE) (2A) (TOSYL  
ATE# OR TOLUENESULFONATE# OR TS)

L47 51183 SEA L27 OR IMIDAZOLE#

L48 236359 SEA L28 OR PYR OR PYRIDINE# OR C5H5N

L49 34249 SEA L29 OR TRIETHYLAMINE# OR TRIETHYL#(A)AMINE# OR  
TRI(2A) (ET OR ETHYL#) (2A) AMINE#

L50 26 SEA (L30 OR L31 OR L32 OR L33) AND L44

L51 0 SEA L50 AND (L45 OR L46 OR L47 OR L48 OR L49)

L52 272 SEA (L30 OR L31 OR L32 OR L33) AND L43

L53 5 SEA L52 AND (L45 OR L46 OR L47 OR L48 OR L49)

L54 683 SEA (L30 OR L31 OR L32 OR L33) AND L42

L55 26 SEA L54 AND (L45 OR L46 OR L47 OR L48 OR L49)

L56 0 SEA L54 AND L45

L57 0 SEA L54 AND L46

L58 1 SEA L54 AND L47

L59 12 SEA L54 AND L48

L60 15 SEA L54 AND L49

L61 7334 SEA MODERAT!R?

L62 0 SEA L59 AND L61

L63 0 SEA L60 AND L61

L64 211 SEA (L30 OR L31 OR L32 OR L33) AND L35

L65 1485 SEA (L30 OR L31 OR L32 OR L33) AND L37

L66 236 SEA (L30 OR L31 OR L32 OR L33) AND L39

L67 320 SEA (L30 OR L31 OR L32 OR L33) AND L41

L68 13 SEA L64 AND (L45 OR L46 OR L47 OR L48 OR L49)

L69 57 SEA L65 AND (L45 OR L46 OR L47 OR L48 OR L49)

L70 14 SEA L66 AND (L45 OR L46 OR L47 OR L48 OR L49)

L71 8 SEA L67 AND (L45 OR L46 OR L47 OR L48 OR L49)

L72 0 SEA L69 AND L61

L73 1 SEA L65 AND L45

L74 0 SEA L65 AND L46

L75 6 SEA L65 AND L47

L76 19 SEA L65 AND L48  
L77 35 SEA L65 AND L49  
L78 5918 SEA (L35 OR L37 OR L39 OR L41 OR L42 OR L43 OR L44) AND  
(L47 OR L48 OR L49)  
L79 3 SEA L78 AND L45  
L80 2 SEA L78 AND L46  
L81 24 SEA L53 OR L71 OR L73 OR L75 OR L79 OR L80  
L82 38 SEA (L68 OR L70 OR L76) NOT L81  
L83 16 SEA L55 NOT (L81 OR L82)  
L84 28 SEA L77 NOT (L81 OR L82 OR L83)  
L85 24 SEA L81 AND (1900-2003/PY OR 1900-2003/PRY)  
L86 38 SEA L82 AND (1900-2003/PY OR 1900-2003/PRY)  
L87 16 SEA L83 AND (1900-2003/PY OR 1900-2003/PRY)  
L88 28 SEA L84 AND (1900-2003/PY OR 1900-2003/PRY)

=> file hca  
FILE 'HCA' ENTERED AT 15:06:13 ON 23 FEB 2005  
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=> d 181 1-24 cbib abs hitstr hitind

L81 ANSWER 1 OF 24 HCA COPYRIGHT 2005 ACS on STN  
142:135650 Waterborne crosslinkable polyurethane dispersions used in  
hybrid polymer dispersions in water. Tielemans, Michel; Bontinck,  
Dirk; Renard, Vincent (Surface Specialties, S.A., Belg.). PCT Int.  
Appl. WO 2005005504 A1 20050120, 43 pp. DESIGNATED STATES: W: AE,  
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO,  
CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM,  
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,  
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW; RW: AT, BE, BF, BJ, CF, CG,  
CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML,  
MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2.  
APPLICATION: WO 2004-EP7354 20040706. PRIORITY: EP 2003-15968  
20030714.

AB The hybrid polymer dispersion comprises (A) a functionalized  
polyurethane polymer and (B) a functionalized vinyl polymer, either  
as individual particles or as composites particles, wherein the  
polyurethane polymer is prep'd. in a high b.  
p. oxygenated coalescing solvent having no  
functional group reactive with isocyanates and that will remain